

PRODUCTION OF NON-CHLORINE-BLEACHING PULP

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Abstract of JP8218290

PURPOSE: To obtain the non-chlorine-bleaching pulp having a high whiteness by digesting broad-leaf tree chips with a polysulfide solution containing an anthraquinone compound, bleaching the digested product with oxygen, treating the product with both an enzyme and a chelating agent, and subsequently bleaching the product with hydrogen peroxide.

CONSTITUTION: The method for producing the non-chlorine-bleaching pulp comprises digesting a broad-leaf tree lignocellulose substance with a polysulfide digestion chemical agent solution containing an anthraquinone compound as a digestion auxiliary agent, bleaching the digested non-bleaching pulp having a Kappa value of 16.0-14.0 with oxygen, treating the product having a Kappa value of 9.5-7.0 with both an enzyme and a chelating agent, bleaching the product having a Kappa value of 8.5-6.0 with hydrogen peroxide, and subsequently bleaching the produced pulp having a Kappa value of 7.5-4.5 and a Hunter whiteness of 55-75% with one or more chemical agents selected from a hypochlorite, chlorine dioxide, hydrogen peroxide and an alkali peroxide. Thus, the highly white pulp having a Hunter whiteness of $\geq 84\%$ is obtained.

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Family list

1 family member for:

JP8218290

Derived from 1 application.

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